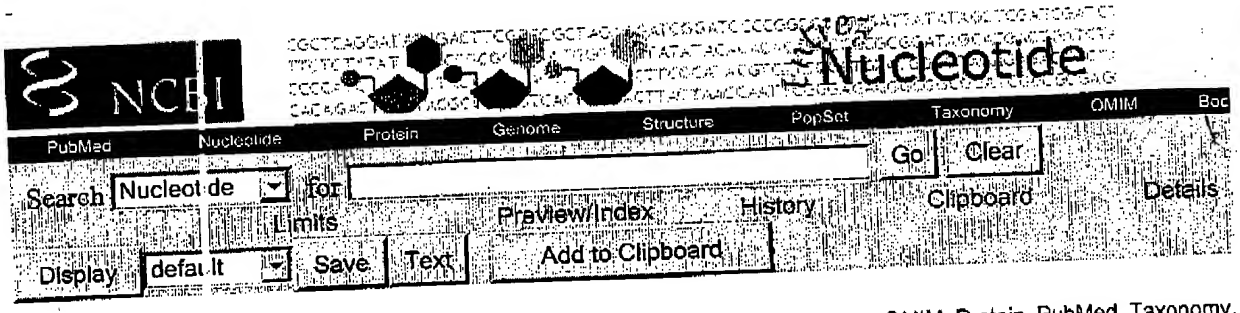
NCBI Sequence Viewer

EXHIBIT S



1: NM_0052?6. Homo sapiens endo... [gi:4885194]

Related Sequences, OMIM, Protein, PubMed, Taxonomy, LinkOut

LOCUS NM_005226 1137 bp mRNA linear PRI 16-NOV-2000
DEFINITION Homo sapiens endothelial differentiation, sphingolipid G-protein-coupled receptor, 3 (EDG3), mRNA.
ACCESSION NM_005226
VERSION NM_005226.1 GI:4885194
KEYWORDS .
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 1137)
AUTHORS Yamaguchi,F., Tokuda,M., Hatase,O. and Brenner,S.
TITLE Molecular cloning of the novel human G protein-coupled receptor (GPCR) gene mapped on chromosome 9
JOURNAL Biochem. Biophys. Res. Commun. 227 (2), 608-614 (1996)
MEDLINE 97032811
PUBMED 8878560
REFERENCE 2 (bases 1 to 1137)
AUTHORS An,S., Bleu,T., Huang,W., Hallmark,O.G., Coughlin,S.R. and Goetzl,E.J.
TITLE Identification of cDNAs encoding two G protein-coupled receptors for lysosphingolipids
JOURNAL FEBS Lett. 417 (3), 279-282 (1997)
MEDLINE 98072391
PUBMED 9409733
REFERENCE 3 (bases 1 to 1137)
AUTHORS Ancellin,N. and Hla,T.
TITLE Differential pharmacological properties and signal transduction of the sphingosine 1-phosphate receptors EDG-1, EDG-3, and EDG-5
JOURNAL J. Biol. Chem. 274 (27), 18997-19002 (1999)
MEDLINE 99315836
PUBMED 10383399
REFERENCE 4 (bases 1 to 1137)
AUTHORS Spiegel,S.
TITLE Sphingosine 1-phosphate: a ligand for the EDG-1 family of G-protein-coupled receptors
JOURNAL Ann. N. Y. Acad. Sci. 905, 54-60 (2000)
MEDLINE 20278382
PUBMED 10818441
REFERENCE 5 (bases 1 to 1137)
AUTHORS Hla,T., Lee,M.J., Ancellin,N., Thangada,S., Liu,C.H., Kluk,M., Claes,S.S. and Wu,M.T.
TITLE Sphingosine-1-phosphate signaling via the EDG-1 family of G-protein-coupled receptors
JOURNAL Ann. N. Y. Acad. Sci. 905, 16-24 (2000)
MEDLINE 20278379

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PUBMED 11818438
REFERENCE 6 (bases 1 to 1137)
AUTHORS Hammel,H.M., Meyer Zu Heringdorf,D., Graf,E., Dobrev,D., Kortner,A., Schuler,S., Jakobs,K.H. and Ravens,U.
TITLE Evidence for Edg-3 receptor-mediated activation of I(K.ACh) by sphingosine-1-phosphate in human atrial cardiomyocytes
JOURNAL Mol. Pharmacol. 58 (2), 449-454 (2000)
MEDLINE 21368609
PUBMED 11908314
COMMENT REVIEWED REFSEQ: This record has been curated by NCBI staff. The reference sequence was derived from X83864.1.
Summary: This gene encodes a member of the family I of the G protein-coupled receptors, as well as the EDG family of proteins. This protein has been identified as a functional receptor for sphingosine 1-phosphate and likely contributes to the regulation of angiogenesis and vascular endothelial cell function.

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Initiation codon

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Goetzl EDG-3 primer 1

Goetzl EDG-3 primer 2 in an antisense orientation

Revised: October 24, 2001.